

IN THE CLAIMS

Please amend the claims as follows:

1. (original) Telecommunication system comprising a base station (1) and mobile terminals (2-9), with said base station (1) comprising a generator (21) for generating spreading codes and with at least one mobile terminal (4) comprising an interference canceller for reducing interference, characterized in that said base station (1) comprises a transmitter (16) coupled to said generator (21) for transmitting information comprising at least parts of other mobile terminals' spreading codes to said at least one mobile terminal (4), which comprises a receiver (44) for receiving said information, with said interference canceller comprising a multi-user detector (41,42,43) coupled to said receiver (44) for reducing interference by using said information.
  
2. (original) Telecommunication system according to claim 1, characterized in that said information further comprises other mobile terminals' power information, with said at least one mobile terminal (4) comprising a selector (52) coupled to said receiver (4) for, in dependence of said power information, selecting at least parts of spreading codes of a number of other mobile

terminals (2,3,5,6,7,8,9) to be used by said multi-user detector (41,42,43).

3. (original) Telecommunication system according to claim 2, characterized in that said base station (1) comprises a selector (22) located between said generator (21) and said transmitter (16) for selecting at least parts of spreading codes and power information of a number of other mobile terminals (2,3,5,6,7,8,9) to be sent to said at least one mobile terminal (4).

4. (currently amended) Telecommunication system according to claim 2-~~or~~3, characterized in that said information further comprises at least a part of an other mobile terminal's direction information.

5. (original) Base station (1) for use in a telecommunication system comprising said base station (1) and mobile terminals (2-9), with said base station (1) comprising a generator (21) for generating spreading codes and with at least one mobile terminal (4) comprising an interference canceller for reducing interference, characterized in that said base station (1) comprises a transmitter (16) coupled to said generator (21) for transmitting information comprising at least parts of other mobile terminals' spreading

codes to said at least one mobile terminal (4), which comprises a receiver (44) for receiving said information, with said interference canceller comprising a multi-user detector (41,42,43) coupled to said receiver (44) for reducing interference by using said information.

6. (original) Base station (1) according to claim 5, characterized in that said base station (1) comprises a selector (22) located between said generator (21) and said transmitter (16) for selecting at least parts of spreading codes and power information of a number of other mobile terminals (2,3,5,6,7,8,9) to be sent to said at least one mobile terminal (4).

7. (original) Mobile terminal (4) for use in a telecommunication system comprising a base station (1) and mobile terminals (2-9), with said base station (1) comprising a generator (21) for generating spreading codes and with said mobile terminal (4) comprising an interference canceller for reducing interference, characterized in that said mobile terminal (4) comprises a receiver (44) for receiving information comprising at least parts of other mobile terminals' spreading codes originating from said base station (1), with said interference canceller comprising a multi-user detector (41,42,43) coupled to said receiver (44) for reducing

interference by using said information, and with said base station (1) comprising a transmitter (16) coupled to said generator (21) for transmitting said information to said mobile terminal (4).

8. (original) Mobile terminal (4) according to claim 7, characterized in that said information further comprises other mobile terminals' power information, with said at least one mobile terminal (4) comprising a selector (52) coupled to said receiver (44) for, in dependence of said power information, selecting at least parts of spreading codes of a number of other mobile terminals (2,3,5,6,7,8,9) to be used by said multi-user detector (41,42,43).

9. (original) Method for reducing interference in a mobile terminal, which method comprises the step of generating spreading codes in a base station, characterized in that said method comprises the steps of transmitting information comprising at least parts of other mobile terminals' spreading codes to a mobile terminal, of receiving said information in said mobile terminal, and of reducing interference by using said information in said mobile terminal.

10. (original) Method according to claim 9, characterized in that the method comprises the step of at least either selecting a part of said information to be used in said mobile terminal, with said information further comprising other mobile terminals' power information, or selecting at least parts of spreading codes and power information of a number of other mobile terminals to be sent to said mobile terminal.

11. (original) Processor program product to be run via a base station's processor for use in a base station of a telecommunication system comprising said base station and mobile terminals, with said processor program product comprising a generating function for generating spreading codes in said base station, and with at least one mobile terminal comprising an interference canceller for reducing interference, characterized in that said processor program product comprises a transmitting function for in response to said generating function transmitting information comprising at least parts of other mobile terminals' spreading codes to said at least one mobile terminal, which comprises a receiver for receiving said information, with said interference canceller comprising a multi-user detector coupled to said receiver for reducing interference by using said information.

12. (original) Processor program product to be run via a mobile terminal's processor for use in a mobile terminal of a telecommunication system comprising a base station and mobile terminals, with said base station comprising a generator for generating spreading codes, and with said processor program product comprising an interference cancelling function for reducing interference, characterized in that said processor program product comprises a receiving function for receiving information comprising at least parts of other mobile terminals' spreading codes originating from said base station, with said interference cancelling function comprising a multi-user detection function for reducing interference by using said information in response to said receiving function, and with said base station comprising a transmitter coupled to said generator for transmitting said information to said mobile terminal.